

Response to Office Action of May 10, 2005
Serial No. 09/989,898

REMARKS

I. STATUS OF THE CLAIMS

Claims 25-31 are pending in the present application. In the Office Action mailed May 10, 2005, claims 25-31 were rejected. By this Amendment, claims 25 and 28 are amended. Support for the amendments to claims 25 and 28 can be found throughout the specification. Thus, no new matter is presented hereby.

IV. CLAIM REJECTIONS UNDER 35 U.S.C. § 102(b)

Claims 25 and 27 are rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 4,755,257 to *Yamamoto et al.* Claim 27 depends from claim 25, which is amended hereby. Thus, it is believed that this rejection is obviated and should be withdrawn.

Yamamoto is directed to a photoetching method for processing a thin metal sheet to produce apertured shadow masks. In one aspect, *Yamamoto* provides that two metal sheets may be processed simultaneously to improve productivity. To do so, two metal sheets are applied to opposite sides of a supporting sheet, processed, and subsequently separated. The apertured shadow masks may have the same pattern or a different pattern (col. 3, lines 39-61).

Yamamoto does not teach or suggest a method for demetallizing a web to make a singular functional feature of a product unit, where the singular functional feature is composed of structures formed on each side of a web, as recited in amended claim 25. More particularly, *Yamamoto* does not teach or suggest a metal-containing layer on each side of the web that is about one-half of the desired feature thickness. Instead, the method of *Yamamoto* is used to form two separate apertured metal layers, each of which has the desired feature thickness. As such, *Yamamoto* is insufficient to support a rejection of amended claim 25 and its associated dependent claim 27 under 35 U.S.C. 102(b).

V. CLAIM REJECTIONS UNDER 35 U.S.C. § 103(a)

Claims 25-27 are rejected under 35 U.S.C. § 103(a) as being unpatentable over the combination of *Adachi* and *Yamamoto* and claims 25-31 are rejected under 35 U.S.C. § 103(a) as being unpatentable over the combination of *Adachi*, *Yamamoto*, *Gamzon*, and *Graham*. Claims 26 and 27 depend from claim 25. Claims 29-31 depend from claim 28. Claims 25 and 28 are amended hereby. As such, it is believed that this rejection is obviated.

Response to Office Action of May 10, 2005
Serial No. 09/989,898

Yamamoto is discussed above. Briefly described, *Adachi* is directed to a whole surface driven speaker. The speaker includes a diaphragm including two groups of opposed permanent magnets secured to mutually opposing surfaces of support plates facing the diaphragm (col. 3, lines 27-30). *Gamzon* is directed to an electroacoustic transducer. *Graham* is directed to a method of making an electrical capacitor.

Notably, none of the cited references teach or suggest the methods of the present invention as recited in the amended claims. In particular, none of the cited references teach or suggest a method of demetallizing a web to form a single feature on both sides of the web, where about one-half of the desired feature thickness is provided on one side of the substrate and about one-half of the desired feature thickness is provided on the other side of the substrate. By preparing the feature in this manner, the profile of the metal trace is better preserved during the etching process.

Given that none of the references, alone or in combination, teach or suggest the invention as recited in amended claims 25-31, it is requested that this rejection be withdrawn.

Best Available Copy

Response to Office Action of May 10/ 2005
Serial No. 09/989,898

CONCLUSION

In view of the foregoing remarks, Applicants respectfully assert that the various rejections of claims 25-31 as set forth in the non-final Office Action of May 10, 2005 have been addressed and overcome. Applicants further respectfully submit that all claims are in condition for allowance and request that a Notice of Allowance be issued. If issues may be resolved through Examiner's Amendment, or clarified in any manner, a call to the undersigned attorney at (404) 879-2437 is courteously solicited.

The Commissioner is hereby authorized to charge any fees due, or credit any overpayment, to Deposit Account No. 09-0528.

Respectfully submitted,



Dana E. Stano
Reg. No. 50,750

Date: July 18, 2005
Wornble Carlyle Sandridge & Rice, PLLC
P.O. Box 7037
Atlanta, GA 30357-0037
(404) 879-2437 (direct)
(404) 879-2937 (facsimile)

Our Docket No.: R029 1559US(38400.0172.2)

Best Available Copy